AUSTRALIA

Patents Act 1990

IN THE MATTER OF Australian Patent Application Serial No 696764 by Human Genome Sciences, Inc.

-and-

IN THE MATTER OF Opposition thereto by Ludwig Institute for Cancer Research

THIS IS Exhibit 2 referred to in the Statutory Declaration of Kari Alitalo made

before me this

15th

Day of February, 2000

OLLI-PEKKA SIRO Motary Public Notary Public



EXHIBIT 2

Nucleotide and Amino Acid Sequence of VEGF-C and primers to make VEGF2(HGS)

The 5' and 3' primers used in the PCR reaction are indicated in capital letters. The BamHI site in the 5' primer and the XbaI site in the 3' primer are underlined. The 3' primer also encodes an HA-tag 3' to the last codon of VEGF-C (which encodes a serine), followed by a stop codon indicated in boldface.

	cca	ccci	tgc (ccc	gccaq	ac a	gacc	gtc	C CC	cacco	cccg	gtc	cttc	cac d	Met	g cac His L	357
	ttg Leu	ctg Leu	ggc Gly 5	ttc Phe	ttc Phe	tct Ser	gtg Val	gcg Ala 10	tgt Cys	tct Ser	ctg Leu	ctc Leu	gcc Ala 15	gct Ala	gcg Ala	ctg Leu	405
-	ctc Leu	ccg Pro 20	ggt Gly	cct Pro	cgc Arg	gag Glu	gcg Ala 25	ccc Pro	gcc Ala	gcc Ala	gcc Ala	gcc Ala 30	gcc Ala	ttc Phe	gag Glu	tcc Ser	453
	gga Gly 35	ctc Leu	gac Asp	ctc Leu	tcg Ser	gac Asp 40	gcg Ala	gag Glu	ccc Pro	gac Asp	gcg Ala 45	ggc Gly	gag Glu	gcc Ala	acg Thr	gct Ala 50	501
	tat Tyr	gca Ala	agc Ser	aaa Lys	gat Asp 55	ctg Leu	gag Glu	gag Glu	cag Gln	tta Leu 60	cgg Arg	tct Ser	gtg Val	tcc Ser	agt Ser 65	gta Val	549
٠.	-CGC	<u>GGA</u>	TCC	ATG	ACT	GTA	CTC	TAC	CCA	-3′ 5	5' Pı	rime	r				
	gat Asp	gaa Glu	ctc Leu	atg Met 70	act Thr	gta Val	ctc Leu	tac Tyr	cca Pro 75	gaa Glu	tat Tyr	tgg Trp	aaa Lys	atg Met 80	tac Tyr	aag Lys	597
	tgt Cys	cag Gln	cta Leu 85	agg Arg	aaa Lys	gga Gly	Gly	tgg Trp 90	caa Gln	cat His	aac Asn	aga Arg	gaa Glu 95	cag Gln	gcc Ala	aac Asn	645
	ctc Leu	aac Asn 100	tca Ser	agg Arg	aca Thr	gaa Glu	gag Glu 105	act Thr	ata Ile	aaa Lys	ttt Phe	gct Ala 110	gca Ala	gca Ala	cat His	tat Tyr	693
	aat Asn 115	aca Thr	gag Glu	atc Ile	ttg Leu	aaa Lys 120	agt Ser	att Ile	gat Asp	aat Asn	gag Glu 125	tgg Trp	aga Arg	aag Lys	act Thr	caa Gln 130	741
	tgc Cys	atg Met	cca Pro	cgg Arg	gag Glu 135	gtg Val	tgt Cys	ata Ile	gat Asp	gtg Val 140	ggg Gly	aag Lys	gag Glu	ttt Phe	gga Gly 145	gtc Val	789
	gcg Ala	aca Thr	aac Asn	acc Thr 150	Phe	ttt Phe	aaa Lys	cct Pro	cca Pro 155	tgt Cys	gtg Val	tcc Ser	gtc Val	tac Tyr 160	aga Arg	tgt Cys	837
	Gly ggg	ggt Gly	tgc Cys 165	tgc Cys	aat Asn	agt Ser	gag Glu	999 Gly 170	ctg Leu	cag Gln	tgc Cys	atg Met	aac Asn 175	acc Thr	agc Ser	acg Thr	885
	agc Ser	tac Tyr 180	Leu	agc Ser	aag Lys	acg Thr	tta Leu 185	ttt Phe	gaa Glu	att Ile	aca Thr	gtg Val 190	cct Pro	ctc Leu	tct Ser	caa Gln-	933

ggc ccc aaa Gly Pro Lys 195					
tgc atg tct Cys Met Ser		gtt tac aga Val Tyr Arg			
		cta cca cag Leu Pro Gln 235			
		tgg aat aat Trp Asn Asn 250			
		tcc tcg gat Ser Ser Asp 265			
		gga cca aac Gly Pro Asn			
		gcg ggg ctt Ala Gly Leu			
		aac tca tgc Asn Ser Cys 315			
		ggg gcc aac Gly Ala Asn 330			
		aga acc tgc Arg Thr Cys 345			
cct gga aaa Pro Gly Lys 355	tgt gcc tgt Cys Ala Cys 360	gaa tgt aca Glu Cys Thr	gaa agt cca Glu Ser Pro 365	cag aaa tgc Gln Lys Cys	ttg 1461 Leu 370
		cac cac caa His His Gln			
		aag gct tgt Lys Ala Cys 395			
			3'Primer 3'	TCT GGT GTT	TAC
		gtc cct tca Val Pro Ser 410			
TCG GAG CTC	ATG GGT ATG	CTG CAG GGT	CTG ATG CGA	ACT AGA TCT	CGC-5'
agc taagattg Ser	ta ctgtttc	ca gttcatcga	tttctattat	ggaaaactgt	1658